

U.S.S.N. 10/646,505

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A cooling assembly for dissipating heat energy generated by a component, said assembly comprising:

a base plate adapted to be mounted to the component;

a condenser plate disposed above said base plate;

an outer wall interconnecting said base plate to said condenser plate to define a sealed chamber therebetween;

a working fluid disposed within said sealed chamber with said working fluid having a liquid phase and a vapor phase such that during an operation of said cooling assembly, said liquid phase of said working fluid is disposed over said base plate and said vapor phase of said working fluid is disposed between said liquid phase and said condenser plate; [[and]]

at least one partition wall mounted to said condenser plate to at least partially divide said sealed chamber with said partition wall angling downwardly toward said base plate for directing working fluid on said condenser plate toward a predefined portion of said base plate, thereby promoting efficient dissipation of heat energy; and

a plurality of fins mounted to at least one of said base plate and said condenser plate to improve the dissipation of heat energy.

2. (Original) An assembly as set forth in claim 1 wherein said at least one partition wall further includes at least two partition walls intersecting each other to form at least two corners for directing said working fluid on said condenser plate toward said predefined portion of said base plate.

3. (Original) An assembly as set forth in claim 2 wherein said at least two partition walls intersect each other to form at least four corners for directing said working fluid.

4. (Original) An assembly as set forth in claim 3 wherein said at least two partition walls are planar and intersect each other at substantially right angles.

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